## INTERNATIONAL SEARCH REPORT

International Application No PCT/FR2004/001341

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 FO2N15/00 FO2N F02N11/00 H02K5/10 H02K5/22 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) F02N H02K F16L B29C IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category ' Citation of document, with Indication, where appropriate, of the relevant passages 1-6 X US 5 943 909 A (SOH MASAHIRO) 31 August 1999 (1999-08-31) figures 1-4 US 2002/103051 A1 (OSAWA YASUO ET AL) 1,3-61 August 2002 (2002-08-01) figures 1,2 US 5 113 104 A (ELLIS ROBERT E ET AL) 1,2 12 May 1992 (1992-05-12) figure 1 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the 'A' document defining the general state of the art which is not considered to be of particular relevance \*E\* earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled document referring to an oral disclosure, use, exhibition or other means in the art. document published prior to the International filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the International search Date of malling of the international search report 28 October 2004 08/11/2004 Name and mailing address of the ISA **Authorized officer** European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Ulivieri, E

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information on patent family members

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Patent document cited in search report			Publication date		Patent family member(s)		Publication date
US	5943909	Α	31-08-1999	JP	10252622	Α	22-09-1998
US	2002103051	A1	01-08-2002	JP	2002221129	Α	09-08-2002
US	5113104	A	12-05-1992	AT BR CS DE DE DK EP ES HU IT JP MX PL US US US	69025317 450005 0450005 2083461 59514 1246466 4502400 169753 166980 2075151	A A3 D1 T2 T3 A1 T3 A2 B T B B1 C1 A A2 A E	15-02-1996 05-11-1991 19-02-1992 21-03-1996 14-11-1996 11-03-1996 09-10-1991 16-04-1996 28-05-1992 19-11-1994 23-04-1992 22-07-1993 31-07-1995 10-03-1997 25-10-1994 02-05-1991 05-03-1996 21-07-1998 17-08-1993